Call for Papers

The First International Workshop on Smart Cities and Urban Informatics

(in conjunction with IEEE INFOCOM 2015)

http://user.it.uu.se/~eding810/SmartCity2015/

Scope and Topics of Interest

Cities around the world are currently under quick transition towards a low carbon environment, high quality of living, and resource efficient economy. Urban performance depends not only on the city's endowment of hard infrastructure, but also on the availability and quality of knowledge communication and social infrastructure. There is a growing importance of Information and Communication Technologies (ICTs), social and environmental capital in profiling the competitiveness of cities.

Information and communication systems play a critical role in building smart cities and supporting comprehensive urban informatics. Extensive research is taking place on a wide range of enabling information and communication technologies, including cloud and network infrastructure, wireless and sensing technologies, mobile crowdsourcing, social networking, and big data analytics for smart cities. This brings together citizens and integrates technologies and services such as transportation, broadband communications, buildings, healthcare, and other utilities. Advanced communication and computing techniques can facilitate a participatory approach for achieving integrated solutions and creating novel applications to improve urban life and build a sustainable society.

The main purpose of this workshop is to bring together researchers/academics/industries in the field of system, networking and communication to discuss major challenges, research problems, and potential applications to support smart cities and urban informatics. We are expected to share new findings, exchange ideas, discuss research challenges and report latest research efforts that cover a variety of topics including, but not limited to

- Application, deployment, testbed, and experiment experiences in smart cities
- Big data for urban informatics
- Cloud computing and network infrastructure that supports smart cities
- Cellular networking in smart cities
- Delay tolerant networks and systems for urban data collection
- E-health systems
- Environment and urban monitoring
- Enabling wireless and mobile technologies for smart cities
- Fault tolerance, reliability and survivability in smart systems
- Green networking and energy efficiency
- Human mobility modeling and analytics

- Mobile crowdsourcing for urban analytics
- QoS and QoE of smart city systems, applications, and services
- Sensing and IoT for smart cities
- Social computing and networks
- Smart grid
- Smart transportation
- Smart buildings
- Safety, security, and privacy for smart cities
- Smartphone and mobile systems and applications
- Vehicular networks

Submission Instruction

We call for original and unpublished papers with no longer than 6 pages. The reviews will be single blind. The manuscripts should be formatted in standard IEEE camera-ready format (double-column, 10-pt font) and be submitted as PDF files (formatted for 8.5x11-inch paper).

Submission link: https://edas.info/newPaper.php?c=18881

General Co-chairs

Falko Dressler, University of Paderborn, Germany

Jiangchuan Liu, Simon Fraser University, Canada

Technical Program Co-chairs

Mo Li, Nanyang Technological University, Singapore

Edith Ngai, Uppsala University, Sweden

Important Dates

Submission Deadline: January 2, 2015

Authors Notification: February 20, 2015

Final Manuscript Due: February 28, 2015